

# INTERNATIONAL SEARCH REPORT

International application No.

PCT AJS04/41275

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C25B 9/00; C25C 1/02; C02F 1/461

US CL : 204/242, 245, 275.1, 278.5, 290.1205/62S, 633,755-758,

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 205/629-632, 634-639

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
EAST

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X	US 4,225,401 (Divisek et al) 30 September 1980(30.9.1980), abstract, column 3 lines 51- 61, column 4 lines 37-39.	1,3
—		
Y		4
Y	US 4,587,001 (Cairns et al) 6 May 1986(6 15.1986), column 1, lines 4-8, column 5 lines 1-33.	2

**D** Further documents are listed in the continuation of Box C. **D** See patent family annex.

Special categories of cited documents	"T"
"A" document defining the general state of the art which is not considered to be of particular relevance	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent published on or after the international filing date	"X" document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

22 November 2005 (22.11.2005)

Name and mailing address of the ISA/US

Mail Stop PCT, Artin: ISA/US  
Commissioner for Patents  
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### BOX III. OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1. In order for all inventions to be examined, the appropriate additional examination fees must be paid.

Group I, claims 1-4, drawn to a flow-through oxygenator.

Group II, claim 5, drawn to an oxygen supersaturated water product.

Group III, claims 6-8, drawn to a method for using the apparatus.

The inventions listed as Groups I-III do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: Claim 1 is obvious in view of Divisek et al. US 4,225,401 accordingly the special technical features linking to the groups above does not provide a contribution over the prior art and no single inventive concept exists.